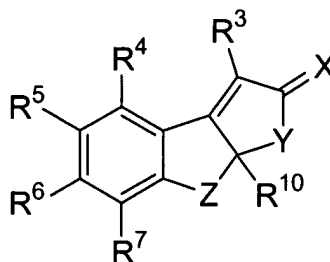


**AMENDMENTS TO THE CLAIMS:**

The listing of the claims which follows replaces any and all prior versions and/or listings of the claims in the application.

1. (currently amended) A compound of the formula:



wherein X is O, N-OR<sup>a</sup>, N-NR<sup>a</sup>R<sup>b</sup> or C<sub>1-6</sub>-alkylidene, wherein said alkylidene group is unsubstituted or substituted with a group selected from hydroxy, amino, O(C<sub>1-4</sub>alkyl), NH(C<sub>1-4</sub>alkyl), or N(C<sub>1-4</sub>alkyl)<sub>2</sub>;

or X represents the following two singly bonded substituents, H and OR<sup>a</sup>;

Y is CR<sup>1</sup>R<sup>2</sup>, CH<sub>2</sub>CR<sup>1</sup>R<sup>2</sup>, CH<sub>2</sub>CH<sub>2</sub>CR<sup>1</sup>R<sup>2</sup> or CH<sub>2</sub>CR<sup>1</sup>R<sup>2</sup>CH<sub>2</sub>;

Z is CH<sub>2</sub> or CH<sub>2</sub>CH<sub>2</sub>CR<sup>8</sup>R<sup>9</sup>, CR<sup>8</sup>R<sup>9</sup>CH<sub>2</sub> or CR<sup>11</sup>=CR<sup>12</sup>, and with the proviso that Y can not be CH<sub>2</sub>CR<sup>1</sup>R<sup>2</sup> when Z is CR<sup>8</sup>R<sup>9</sup>;

R<sup>1</sup> is hydrogen, C<sub>1-6</sub>alkyl, C<sub>1-3</sub>alkyl, C<sub>2-6</sub>alkenyl or C<sub>2-6</sub>alkynyl, wherein said alkyl, alkenyl and alkynyl groups are either unsubstituted or substituted with a group selected from OR<sup>e</sup>, SR<sup>e</sup>, NR<sup>b</sup>R<sup>e</sup>, C(=O)R<sup>e</sup>, C(=O)CH<sub>2</sub>OH, or phenyl, wherein said phenyl group can either be unsubstituted or substituted with 1-3 substituents independently selected from C<sub>1-4</sub>alkyl, OH, O(C<sub>1-4</sub>alkyl), NH<sub>2</sub>, NH(C<sub>1-4</sub>alkyl), N(C<sub>1-4</sub>alkyl)<sub>2</sub>, halo, CN, NO<sub>2</sub>, CO<sub>2</sub>H, CO<sub>2</sub>(C<sub>1-4</sub>alkyl), C(O)H or C(O)(C<sub>1-4</sub>alkyl);

R<sup>2</sup> is hydrogen, hydroxy, iodo, O(C=O)R<sup>e</sup>, C(=O)R<sup>e</sup>, CO<sub>2</sub>R<sup>e</sup>, or C<sub>1-6</sub>alkyl, C<sub>1-3</sub>alkyl, C<sub>2-6</sub>alkenyl or C<sub>2-6</sub>alkynyl, wherein said alkyl, alkenyl and alkynyl groups are either unsubstituted or substituted with a group selected from OR<sup>e</sup>, SR<sup>e</sup>, NR<sup>b</sup>R<sup>e</sup>, C(=O)R<sup>e</sup>, C(=O)CH<sub>2</sub>OH, or phenyl, wherein said phenyl group can either be unsubstituted or substituted with 1-3 substituents independently selected from C<sub>1-4</sub>alkyl, OH, O(C<sub>1-4</sub>alkyl), NH<sub>2</sub>, NH(C<sub>1-4</sub>alkyl), N(C<sub>1-4</sub>alkyl)<sub>2</sub>, halo, CN, NO<sub>2</sub>, CO<sub>2</sub>H, CO<sub>2</sub>(C<sub>1-4</sub>alkyl), C(O)H or C(O)(C<sub>1-4</sub>alkyl);

or  $R^1$  and  $R^2$ , when taken together with the carbon atom to which they are attached, form a carbonyl group;

~~or  $R^1$  and  $R^2$ , when taken together, form a  $C_{1-6}$  alkylidene group, wherein said alkylidene group is either unsubstituted or substituted with a group selected from hydroxy,  $O(C_{1-4}alkyl)$ ,  $N(C_{1-4}alkyl)_2$  or phenyl, wherein said phenyl group can either be unsubstituted or substituted with 1-3 substituents independently selected from  $C_{1-4}alkyl$ ,  $OH$ ,  $O(C_{1-4}alkyl)$ ,  $NH_2$ ,  $NH(C_{1-4}alkyl)$ ,  $NH(C_{1-4}alkyl)_2$ , halo,  $CN$ ,  $NO_2$ ,  $CO_2H$ ,  $CO_2(C_{1-4}alkyl)$ ,  $C(O)H$  or  $C(O)(C_{1-4}alkyl)$ ;~~

$R^3$  is hydrogen, fluoro, chloro, bromo, iodo, cyano, nitro,  $NR^aR^e$ ,  $OR^a$ ,  $C(=O)R^a$ ,  $CO_2R^e$ ,  $CONR^aR^e$ ,  $SR^a$ ,  $S(=O)R^a$ ,  $SO_2R^a$ ,  $C_{1-10}alkyl$ ,  $C_{2-10}alkenyl$ ,  $C_{2-10}alkynyl$ ,  $C_{3-7}cycloalkyl$ ,  $C_{5-7}cycloalkenyl$ , 4-7 membered heterocycloalkyl, (cycloalkyl)alkyl, (heterocycloalkyl)alkyl, aryl, or heteroaryl, arylalkyl or (heteroaryl)alkyl, wherein said alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl and heteroaryl groups are either unsubstituted or independently substituted with 1, 2 or 3 groups selected from fluoro, chloro, bromo, iodo, cyano,  $OR^a$ ,  $NR^aR^e$ ,  $O(C=O)R^a$ ,  $O(C=O)NR^aR^e$ ,  $NR^a(C=O)R^e$ ,  $NR^a(C=O)OR^e$ ,  $C(=O)R^a$ ,  $CO_2R^a$ ,  $CONR^aR^e$ ,  $CSNR^aR^e$ ,  $SR^a$ ,  $S(O)R^a$ ,  $SO_2R^a$ ,  $SO_2NR^aR^e$ ,  $LR^d$  or  $MLR^d$ ;

$R^4$  is hydrogen, hydroxy or fluoro;

$R^5$  is hydrogen, hydroxy, amino, methyl,  $CF_3$ , or fluoro, chloro or bromo;

$R^6$  is hydrogen, fluoro, chloro, methyl, amino,  $OR^a$ ,  $OR^b$ , or  $O(C=O)R^c$ ,  $O(C=O)OR^e$ ,  $NH(C=O)R^e$  or  $NH(C=O)OR^e$ ;

$R^7$  is hydrogen,  $OR^b$ ,  $NR^bR^e$ , fluoro, chloro, bromo, iodo, cyano, nitro,  $C_{1-6}alkyl$ ,  $C_{2-6}alkenyl$ ,  $CF_3$  or  $CHF_2$  or methyl;

$R^8$  and  $R^9$  are each independently selected from hydrogen, fluoro, chloro,  $C_{1-6}alkyl$ ,  $C_{2-6}alkenyl$  or  $C_{2-6}alkynyl$ ;

~~or  $R^8$  and  $R^9$ , when taken together with the carbon atom to which they are attached, form a 3-5 membered cycloalkyl ring; or  $R^8$  and  $R^9$ , when taken together with the carbon atom to which they are attached, form a carbonyl group;~~

$R^{10}$  is hydrogen,  $C_{1-10}alkyl$ ,  $C_{2-10}alkenyl$ ,  $C_{2-10}alkynyl$ ,  $C_{3-6}cycloalkyl$ ,  $C_{4-6}cycloalkenyl$ , or (cycloalkyl)alkyl, (cycloalkyl)alkenyl, (cycloalkenyl)alkyl, aryl, heteroaryl, arylalkyl or (heteroaryl)alkyl, wherein said alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, (cycloalkyl)alkyl, (cycloalkyl)alkenyl,

(cycloalkenyl)alkyl, aryl, heteroaryl, arylalkyl and (heteroaryl)alkyl groups are optionally substituted with a group selected from bromo, iodo, cyano,  $OR^b$ ,  $SR^b$ ,  $C(=O)R^b$ , 1-3  $C_{1-3}$ alkyl, 1-3 chloro or 1-5 fluoro, or  $R^{10}$  and  $R^1$ , when taken together with the two to four intervening carbon atoms to which they are attached, form a 5-6 membered cycloalkyl or cycloalkenyl ring which is optionally substituted with 1-3 groups independently selected from oxo, hydroxy, fluoro, chloro,  $C_{1-6}$ alkyl,  $C_{2-6}$ alkenyl,  $C_{2-6}$ alkynyl,  $C_{1-6}$ alkylidenyl,  $C_{3-6}$ cycloalkyl, (cycloalkyl)alkyl, phenyl, or phenylalkyl, wherein said alkyl, alkenyl, alkynyl, alkylidenyl, cycloalkyl, and (cycloalkyl)alkyl, phenyl, and phenylalkyl groups are optionally substituted with a group selected from chloro, bromo, iodo,  $OR^b$ ,  $SR^b$ ,  $C_{1-3}$ alkyl,  $C(=O)R^b$ , unsubstituted or substituted with 1-5 fluoro;

$R^{11}$  is hydrogen, fluoro and  $C_{1-4}$ alkyl;

$R^{12}$  is hydrogen, fluoro and  $C_{1-4}$ alkyl;

$R^a$  is hydrogen,  $C_{1-10}$ alkyl, and phenyl, wherein said alkyl group is optionally substituted with a group selected from hydroxy, amino,  $O(C_{1-4}$ alkyl),  $NH(C_{1-4}$ alkyl),  $N(C_{1-4}$ alkyl)<sub>2</sub>, phenyl, or 1-5 fluoro, and wherein said phenyl groups can either be unsubstituted or substituted with 1-3 substituents independently selected from  $C_{1-4}$ alkyl, OH,  $O(C_{1-4}$ alkyl),  $NH_2$ ,  $NH(C_{1-4}$ alkyl),  $N(C_{1-4}$ alkyl)<sub>2</sub>, halo, CN,  $NO_2$ ,  $CO_2H$ ,  $CO_2(C_{1-4}$ alkyl),  $C(O)H$  or  $C(O)(C_{1-4}$ alkyl);

$R^b$  is hydrogen,  $C_{1-10}$ alkyl, benzyl or phenyl, wherein said phenyl group can either be unsubstituted or substituted with 1-3 substituents independently selected from  $C_{1-4}$ alkyl, OH,  $O(C_{1-4}$ alkyl),  $NH_2$ ,  $NH(C_{1-4}$ alkyl),  $N(C_{1-4}$ alkyl)<sub>2</sub>, halo, CN,  $NO_2$ ,  $CO_2H$ ,  $CO_2(C_{1-4}$ alkyl),  $C(O)H$  or  $C(O)(C_{1-4}$ alkyl);

$R^c$  is hydrogen,  $C_{1-10}$ alkyl or phenyl, wherein said phenyl group can either be unsubstituted or substituted with 1-3 substituents independently selected from  $C_{1-4}$ alkyl, OH,  $O(C_{1-4}$ alkyl),  $NH_2$ ,  $NH(C_{1-4}$ alkyl),  $N(C_{1-4}$ alkyl)<sub>2</sub>, halo, CN,  $NO_2$ ,  $CO_2H$ ,  $CO_2(C_{1-4}$ alkyl),  $C(O)H$  or  $C(O)(C_{1-4}$ alkyl);

or  $R^a$  and  $R^c$ , whether or not on the same atom, can be taken together with any attached and intervening atoms to form a 4-7 membered ring;

$R^d$  is  $NR^bR^c$ ,  $OR^a$ ,  $CO_2R^a$ ,  $O(C=O)R^a$ , CN,  $NR^c(C=O)R^b$ ,  $CONR^aR^c$ ,  $SO_2NR^aR^c$  or a 4-9 membered mono- or bi-cyclic N-heterocycloalkyl ring that can be optionally substituted with 1-3  $C_{1-3}$  alkyl and can be optionally interrupted by O, S,  $NR^c$ , or  $C=O$ ;

$R^c$  is hydrogen,  $C_{1-6}$ alkyl,  $C_{2-6}$ alkenyl, phenyl or phenylalkyl, wherein said alkyl, alkenyl, or phenyl group can either be unsubstituted or substituted with 1-3 substituents independently selected from  $C_{1-3}$ alkyl, OH,  $O(C_{1-4}$ alkyl),  $NH_2$ ,  $NH(C_{1-4}$ alkyl),  $N(C_{1-4}$ alkyl) $_2$ , halo, CN,  $NO_2$ ,  $CO_2H$ ,  $CO_2(C_{1-4}$ alkyl),  $C(O)H$  or  $C(O)(C_{1-4}$ alkyl);

L is  $CR^bR^c$ ,  $C_{2-6}$  alkylene or  $C_{2-6}$  alkenylene, wherein said alkylene and alkenylene linkers can be optionally interrupted by O, S, or  $NR^c$ ;

M is O, S,  $NR^c$ ,  $C=O$ ,  $O(C=O)$ ,  $(C=O)O$ ,  $NR^c(C=O)$  or  $(C=O)NR^c$ ;  
or a pharmaceutically acceptable salt thereof.

2. (canceled).

3. (canceled).

4. (currently amended) The compound of Claim 3-1 wherein ~~X is O~~;

Y is  $CH_2$  or  $CH_2CH_2CH_2$ ;

$R^1$  is hydrogen;

$R^2$  is hydrogen;

$R^3$  is chloro, bromo, cyano, methyl, ethyl, trifluoromethyl, cyclopropyl, phenyl, furyl or thienyl;

$R^6$  is hydroxy;

$R^8$  and  $R^9$  are each hydrogen;

an or a pharmaceutically acceptable salt thereof.

5. (original) The compound of Claim 1 selected from the group consisting of:

3-bromo-8a-butyl-6-hydroxy-8,8a-dihydrocyclopenta[a]inden-2(1*H*)-one;

(*rac*)-(1*S*,8*aR*)-3-bromo-8a-butyl-6-hydroxy-1-propyl-8,8a-dihydrocyclopenta[a]inden-2(1*H*)-one;

1,3a-diethyl-7-hydroxy-3,3a,4,5-tetrahydro-2*H*-cyclopenta[a]naphthalen-2-one;

3a-butyl-7-hydroxy-3,3a,4,5-tetrahydro-2*H*-cyclopenta[a]naphthalen-2-one;

1,6-dibromo-3a-butyl-7-hydroxy-3,3a,4,5-tetrahydro-2*H*-cyclopenta[a]naphthalen-2-one;

1-bromo-3a-butyl-7-hydroxy-3,3a,4,5-tetrahydro-2*H*-cyclopenta[a]naphthalen-2-one;

6-bromo-3a-butyl-7-hydroxy-1-methyl-3,3a,4,5-tetrahydro-2*H*-cyclopenta[a]naphthalen-2-one;

3a-butyl-7-hydroxy-1,6-dimethyl-3,3a,4,5-tetrahydro-2*H*-cyclopenta[*a*]naphthalen-2-one;  
3a-butyl-7-hydroxy-1-methyl-3,3a,4,5-tetrahydro-2*H*-cyclopenta[*a*]naphthalen-2-one;  
1-bromo-3a-butyl-6-chloro-8-fluoro-7-hydroxy-3,3a,4,5-tetrahydro-2*H*-  
cyclopenta[*a*]naphthalen-2-one;  
10a-butyl-7-hydroxy-1,9,10,10a-tetrahydro-3(2*H*)-phenanthrenone;  
4-bromo-10a-butyl-7-hydroxy-1,9,10,10a-tetrahydro-3(2*H*)-phenanthrenone;  
9a-butyl-2-hydroxy-5-methyl-8,9,9a,10-tetrahydrobenzo[*a*]azulen-6(7*H*)-one;  
1-bromo-7-hydroxy-3a-methyl-3,3a,4,5-tetrahydro-2*H*-cyclopenta[*a*]naphthalen-2-one;  
7-hydroxy-1,3a-dimethyl-3,3a,4,5-tetrahydro-2*H*-cyclopenta[*a*]naphthalen-2-one;  
1,6-dibromo-7-hydroxy-3a-methyl-3,3a,4,5-tetrahydro-2*H*-cyclopenta[*a*]naphthalen-2-one;  
6-bromo-7-hydroxy-1,3a-dimethyl-3,3a,4,5-tetrahydro-2*H*-cyclopenta[*a*]naphthalen-2-one;  
1-bromo-3a-ethyl-7-hydroxy-3,3a,4,5-tetrahydro-2*H*-cyclopenta[*a*]naphthalen-2-one;  
3a-ethyl-7-hydroxy-1-methyl-3,3a,4,5-tetrahydro-2*H*-cyclopenta[*a*]naphthalen-2-one;  
1,6-dibromo-3a-ethyl-7-hydroxy-3,3a,4,5-tetrahydro-2*H*-cyclopenta[*a*]naphthalen-2-one;  
1-bromo-7-hydroxy-3a-propyl-3,3a,4,5-tetrahydro-2*H*-cyclopenta[*a*]naphthalen-2-one;  
7-hydroxy-1-methyl-3a-propyl-3,3a,4,5-tetrahydro-2*H*-cyclopenta[*a*]naphthalen-2-one;  
1,6-dibromo-7-hydroxy-3a-propyl-3,3a,4,5-tetrahydro-2*H*-cyclopenta[*a*]naphthalen-2-one;  
1-bromo-6-chloro-3a-ethyl-7-hydroxy-3,3a,4,5-tetrahydro-2*H*-cyclopenta[*a*]naphthalen-2-one;  
one;  
1-bromo-3a-butyl-6-chloro-7-hydroxy-3,3a,4,5-tetrahydro-2*H*-cyclopenta[*a*]naphthalen-2-one;  
one;

and the pharmaceutically acceptable salts thereof.

6. (original) A pharmaceutical composition comprising a compound according to Claim 1 and a pharmaceutically acceptable carrier.

7. (original) A pharmaceutical composition made by combining a compound according to Claim 1 and a pharmaceutically acceptable carrier.

8. (original) A process for making a pharmaceutical composition comprising combining a compound according to Claim 1 and a pharmaceutically acceptable carrier.